



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,190	10/06/2003	Paul Hayward Kelly	DIXI01-00015	2344
23990	7590	12/03/2008	EXAMINER	
DOCKET CLERK P.O. DRAWER 800889 DALLAS, TX 75380				BUTLER, MICHAEL E
ART UNIT		PAPER NUMBER		
3653				
MAIL DATE		DELIVERY MODE		
12/03/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/678,190	KELLY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	MICHAEL E. BUTLER	3653	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 11 August 2008.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-21 is/are pending in the application.  
 4a) Of the above claim(s) 17-21 is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-16 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Election/Restriction***

1. Applicant's election of invention I with traverse of the restriction requirement in on 8/11/08 of the restriction requirement of 7/10/08 is acknowledged and made final.
2. Claims 17-21 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.
3. As indicated in the previous petition decision, applicant's interview of 8/2/06, and applicant's responses of 11/4/06 and 11/20/06, the method claims of group II are restrictable from the apparatus claims of group I. The method may be practiced with another apparatus-the method may be practiced on dispensers lacking pivotting doors or may be practiced on a vending machine without a plurality of columns. Further, the exposing of a bail cap and adjusting of the bail cap would typically be done by hand.

It is possible to practice another process with the apparatus. One can actually dispense a product with the machine rather than adjust the components.

### ***Claim Rejections - 35 USC § 112***

4. Claim(s) 14-15 is/are rejected under 35 U. S. C. 112 second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is not apparent whether applicant intends with constituted comprising or consisting language.

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim(s) 2,3, 4, 5,6,7,8, 9 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Mille 3862704 in view of Takamura et al. 6168047 wherein the former discloses the elements previously discussed and the latter discloses any elements not inherently taught by the former including:

(Re: cl 2,) A cabinet (c3 L 67), Column walls (c4 L1- 6) defining a stack area (50), Oscillator 60 , Bail cap 100

(Re: cl 5) Bail cap has an adjustment element 180/181

(Re: cl 7) adjusting means comprises a sliding element (slots 181)

(Re: cl8) intermediate position is assymetrical (asymmetric from side axis )

Millies et al. further suggests:

(Re: cl 6) oscillator has top bottom and opposing end plates (95 fig 21 bottom shows one end plate and but for cutaway drawing likely would have shown a second plate on the opposite side).

and the latter discloses any elements not inherently taught by the former including:

(Re: cl2) Cabinet door 2 pivotly attached to the cabinet.

(Re: cl 3) bail cap rotatably attached to oscillator (20 pivots about 21)

(Re: cl 4)intermediate portion is arcuate in cross-section (the spring nature of element 20 will flex to arcuate shape when under load)

(Re: cl9) cap end portions snap fit to oscillator (c4 L 1-3; 21 about 20)

It would have been obvious at the time of the invention for Milles et al. to substitute the sliding door with a pivoting access door to gain greater access to the inside of the machine for repair and maintenance and faster loading as taught by Takamura et al.. It would have been obvious at the time of the invention for Milles et al. to place opposing end plates on either side of the oscillator to more securely hold the dispense as Millies et al. suggests. It would have been obvious at the time of the invention for Milles et al. to rotatably attach a cap to the oscillator to automatically adjust for different size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Milles et al. to use a flexible cap to flex into an arcuate shape to reduce stress on the components and automatically adjust for varying size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Milles et al. to snap fit the cap to the end of the oscillator for ease of assembly and replacement of a pivoting component as taught by Takamura et al..

7. Claim(s) 1, 2,3,4, 5, 6, 7, 8, 9, 10, 11, 12, is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Childers et al. 2890813 in view of Takamura et al. 6168047 wherein the former discloses the elements previously discussed and the latter discloses any elements not inherently taught by the former including:

(Re: cl 1,2,10) Column walls (25,26) defining a stack area (11), Oscillator75 ,  
Adjustable bail cap 81  
(Re: cl 1,10) first staging and second staging areas in product retention areas ( at 80 in fig 3 )  
(Re: cl 4) arcuate in cross section (81 fig 3, slot 78 also arcuate in cross section )  
(Re: cl8) intermediate position is assymetrical (asymmetric from side axis )  
(Re: cl 6, 12) oscillator has Top bottom and opposing end plates 77

and the latter discloses any elements not inherently taught by the former including:

- (Re: cl 1,2,10) A cabinet ( 1 ), Cabinet door (2) pivotly attached to the cabinet
- (Re: cl 3) bail cap rotatably attached to oscillator (20 pivots about 21)
- (Re: cl 4) intermediate portion is arcuate in cross-section (the spring nature of element 20 will flex to arcuate shape when under load)
- (Re: cl 5) Bail cap has an adjustment element (30)
- (Re: cl9) cap end portions snap fit to oscillator (c4 L 1-3; 21 about 20)
- (Re: cl 15) angled delivery chute 4

It would have been obvious at the time of the invention for Cook et al. to substitute the sliding door with a pivoting access door to gain greater access to the inside of the machine for repair and maintenance and faster loading as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to rotatably attach a cap to the oscillator to automatically adjust for different size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to use a flexible cap to flex into an arcuate shape to reduce stress on the components and automatically adjust for varying size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to snap fit the cap to the end of the oscillator for ease of assembly and replacement of a pivoting component as taught by Takamura et al..

8. Claim(s) 1, 2, 3, 5, 8, 9 , 10, 11, 16 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook 6431398 in view of Takamura et al. 6168047 wherein the former discloses the elements previously discussed and the latter discloses any elements not inherently taught by the former including:

- (Re: cl 1,2,10) A cabinet ( 1 ),
- Column walls (15) defining a stack area (13), Oscillator 26
- (Re: cl 1,10) first staging and second staging areas in product retention zone (c5 L 26-37)

(Re: cl 8) intermediate position is assymetrical (asymmetric from side axis )  
(Re: cl 11) first staging region offset from second staging region (c5 L 26-37)  
(Re: cl 16) oscillator adapted to retain two containers in each of first and second staging regions (c5 L 26-37)  
and the latter discloses any elements not inherently taught by the former including:  
(Re: cl 1,2,10) Cabinet door (2) pivotly attached to the cabinet . adjustable cap attached to oscillator 20  
(Re: cl 3) bail cap rotatably attached to oscillator (20 pivots about 21)  
(Re: cl 4) intermediate portion is arcuate in cross-section (the spring nature of element 20 will flex to arcuate shape when under load)  
(Re: cl 5) Bail cap has an adjustment element (30)  
(Re: cl9) cap end portions snap fit to oscillator (c4 L 1-3; 21 about 20)

It would have been obvious at the time of the invention for Cook et al. to have an interior access pivoting access door to gain access to the inside of the securable machine for repair and maintenance and faster loading as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to rotatably attach a cap to the bail oscillator to automatically adjust for different size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to use a flexible cap to flex into an arcuate shape to reduce stress on the components and automatically adjust for varying size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to snap fit the cap to the end of the oscillator for ease of assembly and replacement of a pivoting component as taught by Takamura et al..

9. Claim(s) 1, 2, 3, 4, 6, 5, 7, 8, 10, 11, 12, 13 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Childers et al. 2890813 in view of Suzuki 651380 wherein the former

discloses the elements previously discussed and the latter discloses any elements not inherently taught by the former including:

- (Re: cl 1,2,10) Column walls (25,26) defining a stack area (11), Oscillator75 ,  
Adjustable bail cap 81
- (Re: cl 1,10) first staging and second staging areas in product retention zone ( at 80 in fig 3 )
- (Re: cl 4) arcuate in cross section (81 fig 3, slot 78 also arcuate in cross section )
- (Re: cl8) (2) intermediate position is assymetrical (asymmetric from side axis )
- (Re: cl 6, 12) oscillator has Top bottom and opposing end plates 77

and the latter discloses any elements not inherently taught by the former including:

(Re: cl 1,2,10) A cabinet (2 ), Cabinet door (c5 L 62) pivotly attached to the cabinet (standard mounting practice for this type housing)

(Re: cl 5) Bail cap has an adjustment element (30)

(Re: cl 13) plurality of notches at each staging area (between ribs 21a and 31)

It would have been obvious at the time of the invention for Childers et al. to control interior access with a pivoting access door to gain greater access to the inside of the machine for repair and maintenance and faster loading as taught by Suzuki. It would have been obvious at the time of the invention for Childers et al. to rotatably attach a cap to the oscillator to automatically adjust for different size dispense as taught by Suzuki. It would have been obvious at the time of the invention for Childers et al. to have a plurality of terraced notches extending from the bottom plate to save weight as taught by Suzuki. It would have been obvious at the time of the invention for Childers et al. to have a plurality of terraced notches extending from the bottom plate to save weight as taught by Suzuki. It would have been obvious at the time of the invention for Childers et al. to have a plurality of terraced notches extending from the bottom plate to save weight as taught by Suzuki.

10. Claim(s) 1, 2, 3, 4, 5, 6, 8, 10, 12,13,16 is/are rejected under 35 U.S.C. 103(a) as being unpatentable over Cook 6431398 in view of Suzuki 6561380 wherein the former discloses the elements previously discussed and the latter discloses any elements not inherently taught by the former including:

(Re: cl 1,2,10) A cabinet 1 , Column walls (15) defining a stack area (13), Oscillator 26  
(Re: cl 1,10) first staging and second staging areas in product retention zone (c5 L 26-37)  
(Re: cl 8) intermediate position is assymetrical (asymmetric from side axis )  
(Re: cl 11) first staging region offset from second staging region (c5 L 26-37)  
(Re: cl 16) oscillator adapted to retain two containers in each of first and second staging regions (c5 L 26-37)

and the latter discloses any elements not inherently taught by the former including:

(Re: cl 1,2,10) a Cabinet door (c5 L 62) pivotly attached to the cabinet (standard mounting practice for this type housing)

(Re: cl 3) bail cap rotatably attached to oscillator (34 via plates 36)

(Re: cl 4) intermediate portion is arcuate in cross-section (33 plus 37 assembled combination)

(Re: cl 5) Bail cap has an adjustment element (30)

(Re: cl 13) plurality of notches at each staging area (between ribs 21a and 31)  
adjustable cap attached to oscillator 20

It would have been obvious at the time of the invention for Cook et al. to have an interior access pivoting access door to gain access to the inside of the securable machine for repair and maintenance and faster loading as taught by Suzuki. It would have been obvious at the time of the invention for Cook et al. to rotatably attach a cap to the bail oscillator to automatically adjust for different size dispense as taught by Suzuki. It would have been obvious at the time of the invention for Cook et al. to use a bail cap adjustment element to accommodate different size dispense in the machine as taught by Suzuki. It would have been obvious at the time of the

invention for Cook et al. to have a plurality of terraced notches extending from the bottom plate to save weight as taught by Suzuki.

It would have been obvious at the time of the invention for Cook et al. to use a flexible cap to flex into an arcuate shape to reduce stress on the components and automatically adjust for varying size dispense as taught by Takamura et al.. It would have been obvious at the time of the invention for Cook et al. to snap fit the cap to the end of the oscillator for ease of assembly and replacement of a pivoting component as taught by Takamura et al..

### ***Conclusion***

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Exmr. Michael E. Butler whose telephone number is (571) 272-6937.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Mackey, can be reached on (571) 272-6916. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/M. E. B./

Examiner, Art Unit 3653

/Patrick H. Mackey/

Supervisory Patent Examiner, Art Unit 3653